



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(21) International Application Number:</b> PCT/CA00/00003<br><b>(22) International Filing Date:</b> 5 January 2000 (05.01.00)<br><b>(30) Priority Data:</b><br>60/114,857 6 January 1999 (06.01.99) US<br><b>(71)(72) Applicant and Inventor:</b> HENRY, Richard [CA/CA]; 135<br>Centre Street, Kingston, Ontario K7L 4E7 (CA).<br><b>(74) Agent:</b> KLOTZ, Trevor, C.; Perley-Robertson, Hill & Mc-<br>Dougall, 4th floor, 90 Sparks Street, Ottawa, Ontario K1P<br>1E2 (CA).   |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG,<br>BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE,<br>ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,<br>KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,<br>MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU,<br>SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,<br>US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE,<br>LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM,<br>AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT,<br>BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,<br>MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,<br>GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i><br><i>With amended claims.</i> |
| <b>(54) Title:</b> TOPICAL ANESTHESIA OF THE URINARY BLADDER<br><b>(57) Abstract</b><br><p>An aqueous solution of local anesthetic is instilled into the urinary bladder in sufficient concentration with the addition of an alkalinizing agent such as sodium bicarbonate to elevate the intra-vesical pH to approximately 8.0. The combination is left in situ in the bladder for at least fifteen minutes to allow time for absorption of the base form of the local anesthetic. This method provides safe and effective topical anesthesia to allow pain-free cystoscopic biopsy and cautery of bladder lesions such as bladder cancer, and provides a means to treat inflammatory conditions of the bladder such as chronic interstitial cystitis and acute bacterial cystitis.</p> |           |   |